Name: _____ Blk: _____

BANANA HOLDER

Don't you hate it when you leave your bunch of bananas on the counter and they get bruised from resting on themselves? Not to worry, follow these easy steps to create a Banana Holder to be on your way to bruised free bananas.

List of parts:

- ☐ Random wood scraps from around the shop to create a:
  - Base and an Arch
- ☐ (2) #8 x 1 1/4" Wood screws
- ☐ (4) Foam adhesive feet
- ☐ 1 ¾" Screw-in Hook

Machines and Tools:

- ❖ Banana Holder Templates
- ❖ Band saw
- ❖ Disk Sander/Spindle Sander
- ❖ Drill Press using a, 3/8" Forstner bit, 3/16" and 1/8" Drill bit
- ❖ 80, 120, 180, 220 Grit Sandpaper
- ❖ Mohawk Water based Wipe on Poly

Step 1- Preparing the Base and the Arch

☐ 1. Look around the shop for a piece(s) of wood that are large enough for the Templates to fit on. Make sure the wood faces are smooth and parallel to each other (even thickness) and the thickness is at least 5/8" thick.

☐ 2. Using the templates, trace the outlines of the two piece onto you wood. Remember to mark where all of the holes are located.

Make sure the grain of the wood does not compromise the strength the project

☐ 3. You may use this time to change the shape of your holder into whatever you want. ***The location and distances apart of the holes must not change***

Before moving on have the Teacher inspect and sign this in this space provided. _____

☐ 4. Carefully using the **Band Saw**, cut out your shapes. Remember to use *relief cuts* on any of the curved surfaces as well as a *push stick* when getting in close to the blade.

☐ 5. Use the **Disk Sander** and **Spindle Sander** to sand your shapes to remove the marks from the Band Saw. You may also use the sanders to help create some contours and rounded edges.

☐ 6. Use a 3/8" Forstner bit in the **Drill Press** and counter bore a blind hole into the bottom of the base to a depth of half its thickness. (example- ¾" thick base = 3/8" deep)

☐ 7. Use a 3/16" drill bit on the **Drill Press** and drill the rest of the way through the base of your project. *This hole should allow the #8 woodscrew to float freely.*

☐ 8. Layout and draw a line down the middle on the bottom of the arch to help locate where the screws go.

☐ 9. Dry-fit your two pieces together upside down. Look through the holes on the bottom of the base to line up the pencil line you marked on the bottom of your arch. With a pencil, transfer marks onto the bottom of the arch to locate the screw holes.

☐ 10. Clamp your arch into a vice (remember to use soft jaws) so that the bottom is facing straight up. Use a 1/8" drill in a **Hand Drill** and drill 1" deep. *This hole is small enough so the threads of the wood screws will dig in*. Flip the arch around and drill a 1/8" hole to accommodate the Screw Hook.

☐ 11. Sand your 2 pieces from 80 to 120 to 180 to 220 remembering to work your way up and to sand **with** the grain.

☐ 12. Apply a **minimum** of 4 coats of the **Mohawk Wipe on Poly** finish with a clean cotton rag. Be sure not to glob on the finish, a thin coat each time is all that's needed. Between each coats, sand with 320+ grit sand paper to allow each coat to stick to each other.

☐ 13. Using(2) #8 x 1¼", screw your arch to your base with the Red handled Robertson Screw driver. Screw in your Screw Hook and stick on your (4) cork feet.

☐ 14. Write your name and block on a piece of tape and hand your project in.

Now you have successfully built a lovely banana holder that can be passed down from generation to generation, ensuring that bananas never get bruised again.